

Amendment Under 37 C.F.R. § 1.111
Serial No. 09/989,373
Sughrue Ref: Q67325

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1.(Currently Amended) A multi-stage click switch comprising:

a housing;

an operating knob movably mounted on the housing;

a plurality of pressing portions provided on the operating knob;

a contact circuit member including a plurality of switch contact portions disposed in opposed relation to the plurality of pressing portions, respectively;

a rubber switch member provided between the plurality of pressing portions and the contact circuit member; and

a plurality of rubber contact portions which are formed on the ~~plurality of rubber~~ switch member, and can sequentially close and open the switch contact portions in multi-stage manner in accordance with the movement of the plurality of pressing portions;

wherein each of the plurality of rubber contact portions includes a thin wall portion, an outer portion that is pressed by one of the pressing portions, and an inner portion on which is mounted a conductive piece opposed to corresponding one of the plurality of switch contact portions,

wherein the thin wall portion produces a click feeling by a resilient force, produced by elastic deformation of the rubber contact portion during the movement of the operating knob, at

Amendment Under 37 C.F.R. § 1.111
Serial No. 09/989,373
Sughrue Ref: Q67325

the time of operating the operating knob, and includes a conductive piece opposed to
corresponding one of the plurality of switch contact portions; and

~~over stroke means which is capable of elastic deformation of wherein when the operating~~
knob is moved from a first-stage switching operation to a final-stage switching operation, a
lower resilient force elastically deforms the thin wall portion of one of the rubber contact
portions that are used for the first-stage switching operation, and the thin wall portion of the one
of the rubber contact portions that are used for the first-stage switching operation does not
produce a click feeling a lower resilient force, not producing a click feeling, and is provided to
the at least one rubber contact portion except the at least one rubber contact portion effecting a
final stage switching operation, for allowing the movement of the operating knob until the final
stage switching operation is completed.

Claim 2 (Original): ~~o~~ The multi-stage slick switch according to claim 1, wherein the
operating knob is pivotally mounted on the housing, and the plurality of pressing portions are
formed on and project from a reverse surface of the operating knob at pivotally-moving opposite
end portions thereof.

Claims 3-5 are added as new claims.

Claim 3 (New) The multi-stage click switch of claim 1, wherein the thin wall portion is a
generally conical shape.

Amendment Under 37 C.F.R. § 1.111
Serial No. 09/989,373
Sughrue Ref: Q67325

β¹
Claim 4 (New) The multi-stage click switch of claim 1, wherein said outer portion is cylindrical, said inner portion is cylindrical, and an inner diameter of the cylindrical outer portion is larger than an outer diameter of the cylindrical inner portion, and the cylindrical outer portion is capable of being displaced downwardly around the cylindrical inner portion.

Claim 5 (New) The multi-stage click switch of claim 3, wherein said outer portion is cylindrical, said inner portion is cylindrical, and an inner diameter of the cylindrical outer portion is larger than an outer diameter of the cylindrical inner portion, and the cylindrical outer portion is capable of being displaced downwardly around the cylindrical inner portion.
